

Niblan VSF10

Polybutylene Terephthalate

Soredi S.p.a.

Message:

PBT filled with 10% glass spheres for the injection moulding of items with isotropic properties

General Information			
Filler / Reinforcement	Glass Bead, 10% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	30	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	0.40	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus ¹	2900	MPa	ASTM D790
Flexural Strength ² (Break)	60.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	30	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C	ASTM D648
Peak Crystallization Temperature (DSC)	220	°C	ASTM D3418
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Glow Wire Ignition Temperature (2.00 mm)	650	°C	IEC 60695-2-13
NOTE			
1.	1.3 mm/min		
2.	1.3 mm/min		

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